

# EXHIBIT 2

**EXHIBIT A**

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**Labs Connectivity & Net Services**

**SIMS**  
**Splitter Cut-In and Test Procedure**

**Issue 2, 01/13/03**

***Author: Mathew F. Casamassima***

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## SIMS - Splitter Test and Cut-In Procedure

Issue 2, 01/13/03

Mathew F. Casamassima,

### **1. Procedure Overview**

A WMS Ticket will be issued by the AT&T Bridgeton Network Operation Center (NOC) to charge time for performing the work described in this procedure document. At some point prior to the splitter cut-in being performed your office will be contacted by the Bridgeton Network Operations Center (NOC) to confirm the WMS Ticket has been received. Bridgeton NOC personnel will again contact OSWF the night of the cut to begin coordination. The work described in the procedure will be supported, on-site, by an IP Field Support Specialist (PSS) from the Day Tech organization.

This procedure covers the steps required to insert optical splitters into select live Common Backbone (CBB) OC3, OC12 and OC48 optical circuits. The splitter insertion will be accomplished by removing existing optical cross-connects and installing new cross-connects all within the CBB LGX complex. The optical splitters will be contained in a standalone cabinet located in the proximity of the CBB LGX complex. The splitters will be pre-cabled by an EF&I vendor to the rear of a dedicated LGX bay (LLGX13) within the CBB LGX complex. A partial installation and test of cross-connects can be done prior to the actual splitter cut-in. This portion of the work can be done outside the CBB maintenance window. An IP FSS member of the Day Tech organization will contact OSWF to schedule the pre-cut portion of the work. Section 2 of this document will describe the pre-cut installation of cross-connects and the pre-cut testing of the new circuit path. The actual cut-in of the splitter will be done during the CBB maintenance window and will be closely coordinated with the Bridge NOC and will be supported, on-site, by an IP FSS member of the Day Tech organization. The actual splitter cut-in is described in Section 3 of this document.

The number of cross-connects required and the final path the circuit will take is dependant on the location of the affected LGX bays within the multiple line-ups of the CBB LGX complex. This procedure will describe all possible splitter cut-in circuit paths. The procedure will also describe the procedures for testing each possible circuit path.

#### **1.1. How to Use this Procedure**

This procedure document is quite long. It is not necessary to read this whole document to do the work. There are 4 possible LGX arrange that may encounter. By reading section 1.2 below, determine which LGX arrangement applies to the circuit you are working. Then, after reading the introductory paragraphs in Sections 2 and 3, go directly to the subsections within Sections 2 and 3 associated with the LGX arrangement you are dealing with.

#### **1.2. LGX Definition and LGX-Arrangement:**

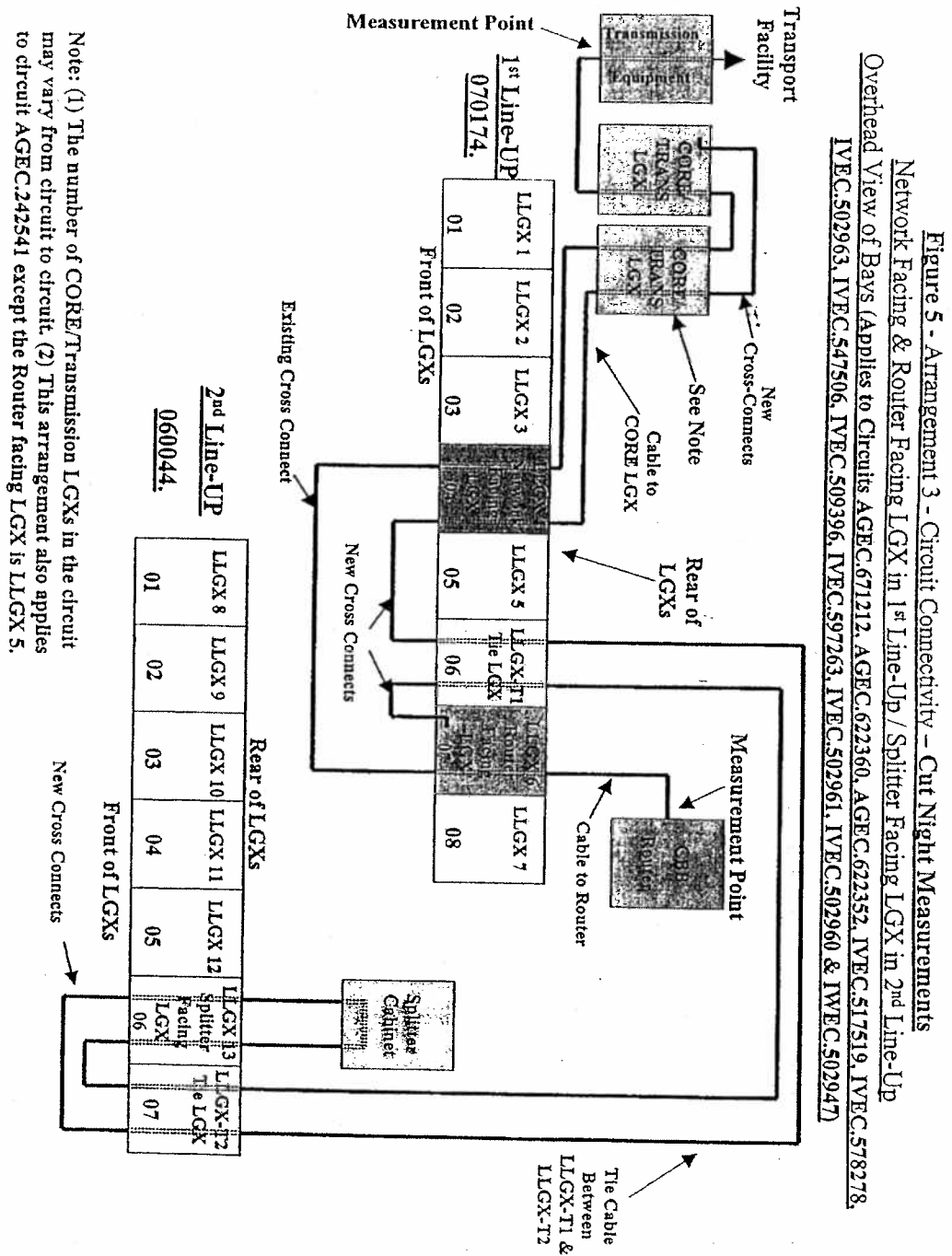
**LGX Definition:** There are multiple LGX bays affected by this procedure. Within the CBB LGX complex LGX bays follow a specific naming convention (LLGX 1, LLGX2, LLGX3, LLGX4, ....). This naming convention is uniform across sites. Since this document is designed to cover all sites, this uniform naming convention will be used here. Site-specific engineering will use the LGX FIC code rather than the naming. Prior to the start of the work described here the local IP FSS will label the LGX bays with the naming as presented in this document. The following are generic definitions for the LGX bays affected by this procedure:

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Priority	Passing Link	Ckt Type	ID	AS Number	Circuit Comments	Router	Port	Circuit Engineering Change Order Issue Date	Circuit Engineering Complete Date	Circuit Engineering Complete Date Actual	Splitter Pre-Test Date	Splitter In-Circuit Date	Splitter Active Date	Comments
1	Condon	OC-3	AGEC 822352	4544		sfca01ck	POS 1/3	1/22/2003	1/31/2003	1/22/2003	2/4/2003	2/6/2003		
2	Veto	OC-12	IVEC 517519	2914		sfca01ck	POS 3/1	1/23/2003	1/31/2003	1/23/2003	2/4/2003	2/6/2003		
3	XO	OC-12	IVEC 517519	2828		sfca01ck	POS 3/2	1/23/2003	1/31/2003	1/23/2003	2/4/2003	2/6/2003		
4	Canby	OC-12	IVEC 502563	1		sfca01ck	POS 3/3	1/23/2003	1/31/2003	1/23/2003	2/4/2003	2/6/2003		
5	Quest	OC-12	IVEC 547508	209		sfca01ck	POS 5/2	1/30/2003	2/7/2003	1/23/2003	2/12/2003	2/6/2003		
6	PAIX	OC-12	IVEC 509386	nap		sfca01ck	POS 8/1	1/30/2003	2/7/2003	1/23/2003	2/12/2003	2/13/2003		
7	Allegiance	OC-12	IVEC 592763	2548		sfca01ck	POS 8/3	1/30/2003	2/7/2003	1/24/2003	2/12/2003	2/13/2003		
8	Abeyaratne	OC-12	IVEC 502283	6461		sfca01ck	POS 9/2	1/30/2003	2/7/2003	1/24/2003	2/12/2003	2/13/2003		
9	Global Crossing	OC-12	IVEC 502560	3549		sfca01ck	POS 9/3	1/30/2003	2/7/2003	1/24/2003	2/12/2003	2/13/2003		
10	GAIX	OC-12	IVEC 502547	3587		sfca01ck	POS 2/0	1/30/2003	2/7/2003	1/24/2003	2/12/2003	2/13/2003		
11	UNNET	OC-48	IVEC 509433	701		sfca01ck	POS 2/0	1/30/2003	2/7/2003	1/24/2003	2/12/2003	2/13/2003		
12	Leads	OC-48	IVEC 509433	3356		sfca02ck4	POS 3/0	1/30/2003	2/7/2003	1/24/2003	2/12/2003	2/13/2003		
13	Sprink	OC-48	IVEC 509433	1259		sfca02ck4	POS 1/0	1/30/2003	2/7/2003	1/24/2003	2/12/2003	2/13/2003		
14	Telia	OC-3	AGEC 871212	174		sfca01ck	POS 0/1	1/30/2003	2/7/2003	1/24/2003	2/12/2003	2/13/2003		
15	PSINet	OC-3	AGEC 822360	174		sfca01ck	POS 0/2	1/30/2003	2/7/2003	1/24/2003	2/12/2003	2/13/2003		
16	Man West	OC-3	AGEC 242541	nap		sfca02ck	POS 2/5	1/30/2003	2/7/2003	1/24/2003	2/12/2003	2/13/2003		

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**EXHIBIT C**

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**Labs Connectivity & Net Services**

**Study Group 3**  
**LGX/Splitter Wiring**  
**San Francisco**

**Issue 1, 12/10/02**

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## Study Group 3 LGX/Splitter Wiring, San Francisco

Issue 1, 12/10/02

*Mathew F. Casamassima,*

### Cabinet Naming:

Equipment	Name
Splitter Cabinet	SPC
LGX Cabinet	LXC
Meta Data Cabinet	MDC
Network Management Cabinet	NMC
Data Filter Cabinet	DFC
Juniper M40E Router Cabinet	JC
Sun V880 Cabinet	S8C
Sun 3800 Cabinet	S3C
Sun StoreEdge Cabinet	SSC
ADC Chassis For LGX	lxp
ADC Chassis For Splitter	spp
ADC Splitter Module	spl
ADC Bulkhead Module (LGX)	bk
Juniper M160	jp
Juniper M40e	j4
Narus STA 6400	nr
Sun Fire V880/Narus Logic Server	s8
Sun Fire 3800	s3
Sun StorEdge T3	st
Sun StorEdge FC switch	sf
Cisco Catalyst 2924M-XL	cz
BayTech DS9	b9
BayTech RPC22	bv
Brocade SilkWorm 2800 Switch	bz
Lucent LGX	LLGX

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## Study Group 3 LGX/Splitter Wiring, San Francisco

Issue 1, 12/10/02

Mathew F. Casamassima,

### 01lxp SG3 LGX Panel to Splitter Cabinet Connectivity

01lxp SG3 LGX Panel Port (In SG3 Room)	Splitter Cabinet Destination	SG3 LGX Designation Card Text	Splitter End Fiber Label Text
1	01spp/Slot 3/port 14	RR 070177.04 01spp/Slot 3/port 14	FROM: 060903.01 01lxp/JK 1 TO: 01spp/Slot 3/port 14
2	01spp/Slot 3/port 13	RR 070177.04 01spp/Slot 3/port 13	FROM: 060903.01 01lxp/JK 2 TO: 01spp/Slot 3/port 13
3	01spp/Slot 3/port 16	RR 070177.04 01spp/Slot 3/port 16	FROM: 060903.01 01lxp/JK 3 TO: 01spp/Slot 3/port 16
4	01spp/Slot 3/port 15	RR 070177.04 01spp/Slot 3/port 15	FROM: 060903.01 01lxp/JK 4 TO: 01spp/Slot 3/port 15
5	01spp/Slot 3/port 18	RR 070177.04 01spp/Slot 3/port 18	FROM: 060903.01 01lxp/JK 5 TO: 01spp/Slot 3/port 18
6	01spp/Slot 3/port 17	RR 070177.04 01spp/Slot 3/port 17	FROM: 060903.01 01lxp/JK 6 TO: 01spp/Slot 3/port 17
7	01spp/Slot 4/port 20	RR 070177.04 01spp/Slot 4/port 20	FROM: 060903.01 01lxp/JK 7 TO: 01spp/Slot 3/port 20
8	01spp/Slot 4/port 19	RR 070177.04 01spp/Slot 4/port 19	FROM: 060903.01 01lxp/JK 8 TO: 01spp/Slot 3/port 19
9	01spp/Slot 4/port 22	RR 070177.04 01spp/Slot 4/port 22	FROM: 060903.01 01lxp/JK 9 TO: 01spp/Slot 3/port 22
10	01spp/Slot 4/port 21	RR 070177.04 01spp/Slot 4/port 21	FROM: 060903.01 01lxp/JK 10 TO: 01spp/Slot 3/port 21
11	01spp/Slot 4/port 24	RR 070177.04 01spp/Slot 4/port 24	FROM: 060903.01 01lxp/JK 11 TO: 01spp/Slot 3/port 24
12	01spp/Slot 4/port 23	RR 070177.04 01spp/Slot 4/port 23	FROM: 060903.01 01lxp/JK 12 TO: 01spp/Slot 3/port 23
13	01spp/Slot 5/port B2	RR 070177.04 01spp/Slot 5/port B2	FROM: 060903.01 01lxp/JK 13 TO: 01spp/Slot 5/port B2
14	01spp/Slot 5/port A2	RR 070177.04 01spp/Slot 5/port A2	FROM: 060903.01 01lxp/JK 14 TO: 01spp/Slot 5/port A2
15	01spp/Slot 6/port B2	RR 070177.04 01spp/Slot 6/port B2	FROM: 060903.01 01lxp/JK 15 TO: 01spp/Slot 6/port B2
16	01spp/Slot 6/port A2	RR 070177.04 01spp/Slot 6/port A2	FROM: 060903.01 01lxp/JK 16 TO: 01spp/Slot 6/port A2

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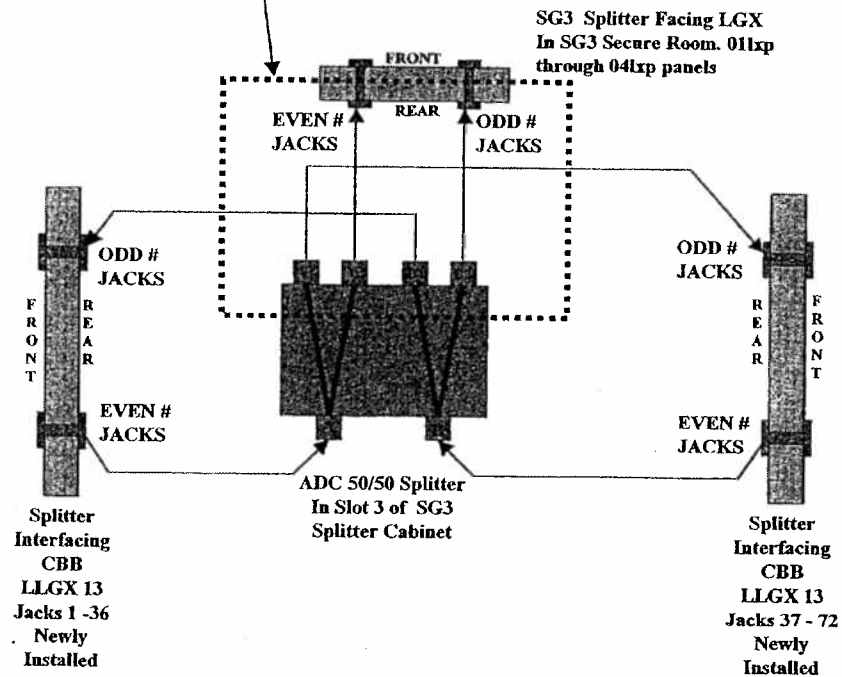
Study Group 3 LGX/Splitter Wiring, San Francisco

Issue 1, 12/10/02

Mathew F. Casamassima,

Splitter to SG3 LGX Connectivity

The Tables in this section give the splitter to SG3 LGX connectivity as shown within the bounds of this box.



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